



ABSTRACT OF THE DISCLOSURE

A heat-transmitting plate member has a pair of
5 heat-transmitting plates. Each of the plates is made from a resin
material. The heat-transmitting plate member has an inner
passage through which inner fluid flows and a tank portion
communicating with the inner passage. The tank portion has a
thickness thicker than that of a portion corresponding to the
10 inner passage in the heat-transmitting plate member, so that
desired heat-exchange characteristic at the inner passage can be
obtained while desired ability to withstand pressure at the tank
portion is obtained.